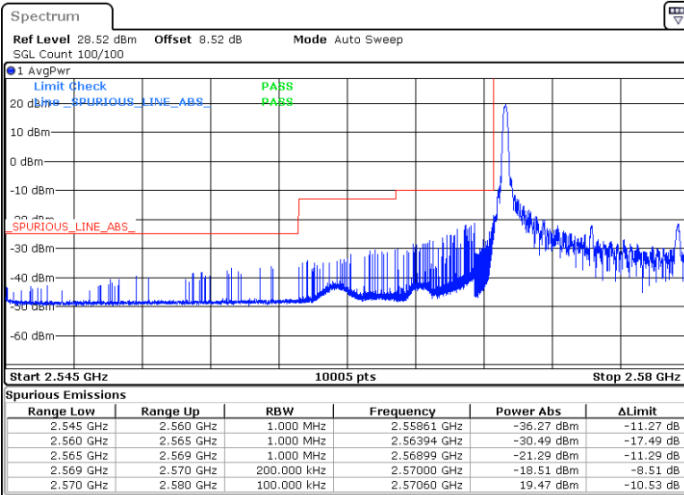




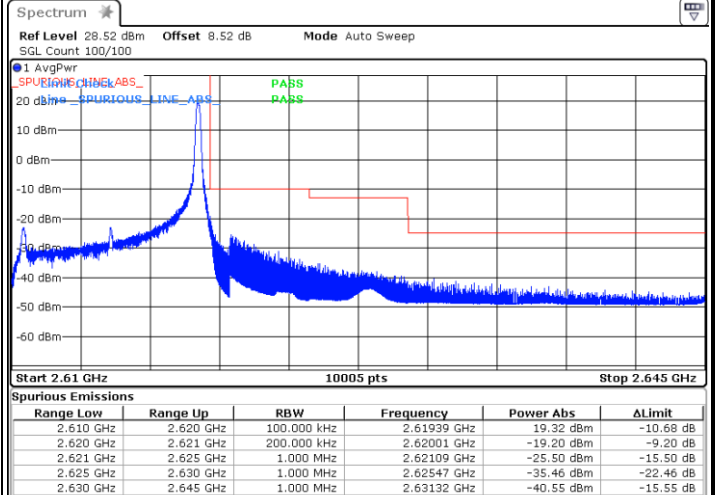
LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



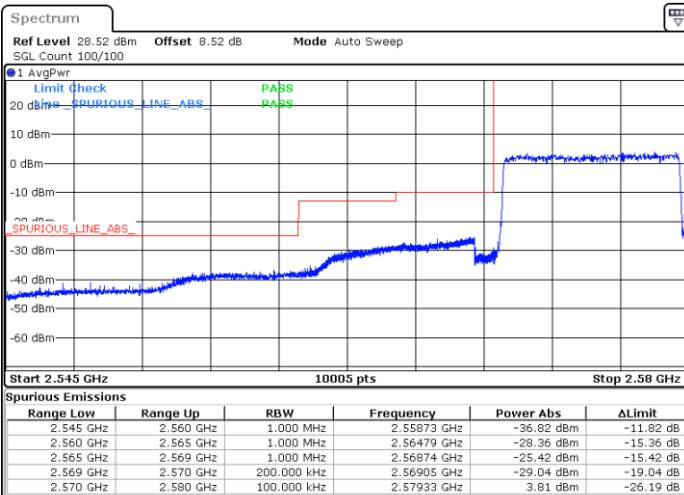
Date: 27\_SEP.2023 14:22:29



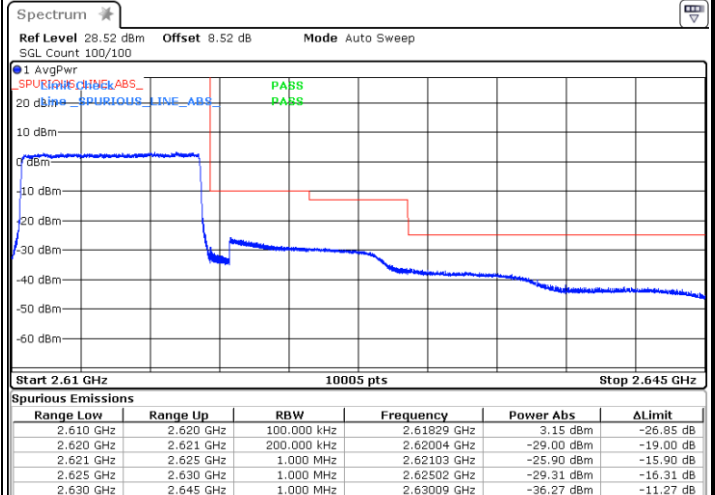
Date: 27\_SEP.2023 15:11:58

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27\_SEP.2023 14:18:55

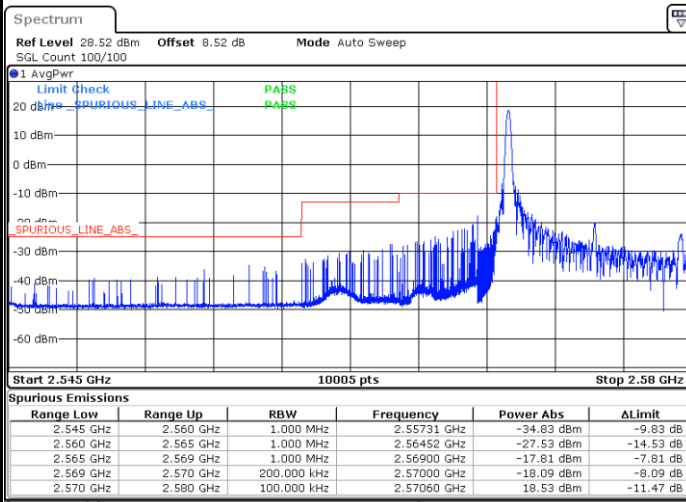


Date: 27\_SEP.2023 15:13:52



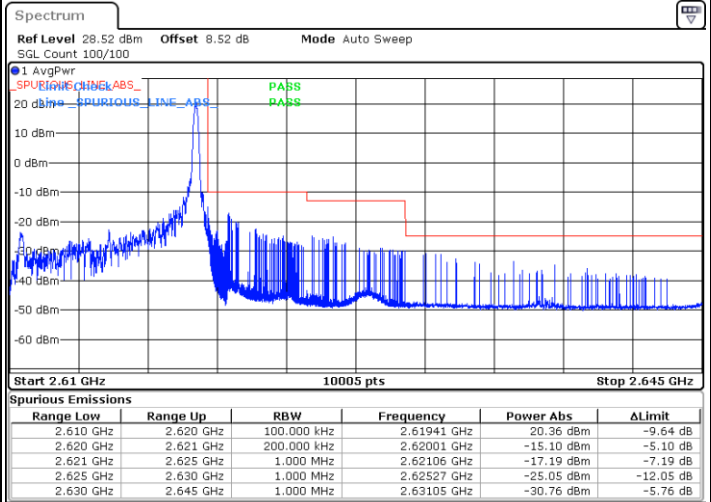
LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



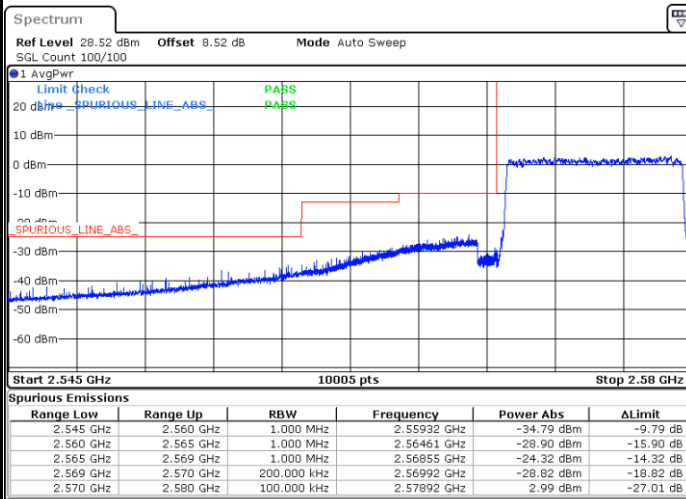
Date: 27\_SEP.2023 14:23:17

Highest Band Edge / 1 RB



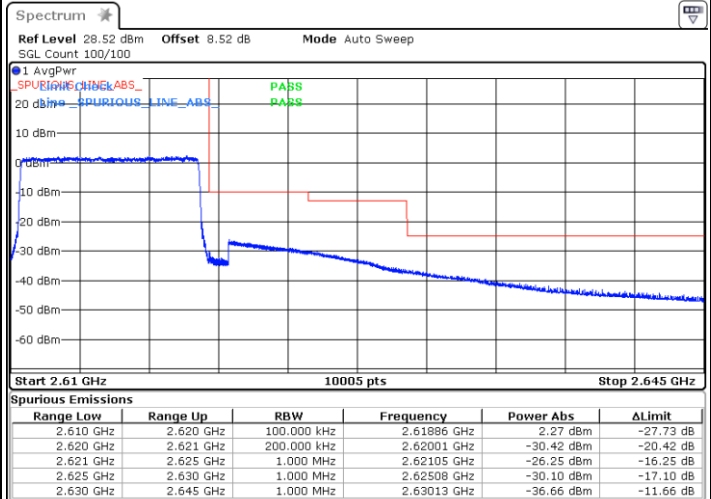
Date: 27\_SEP.2023 14:29:50

Lowest Band Edge / Full RB



Date: 27\_SEP.2023 14:20:55

Highest Band Edge / Full RB

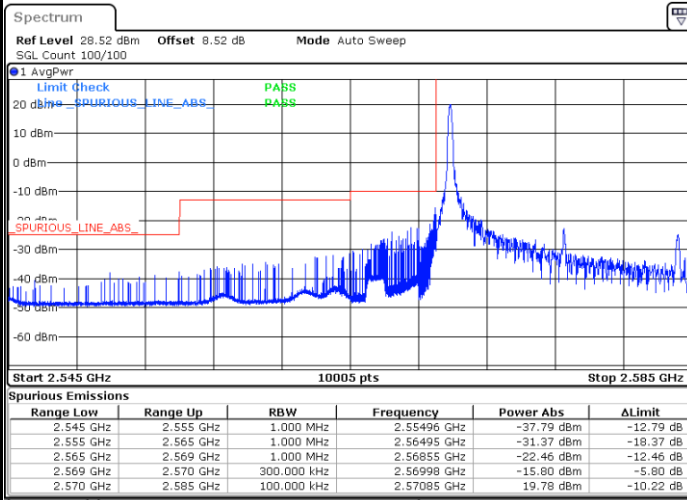


Date: 27\_SEP.2023 15:15:31



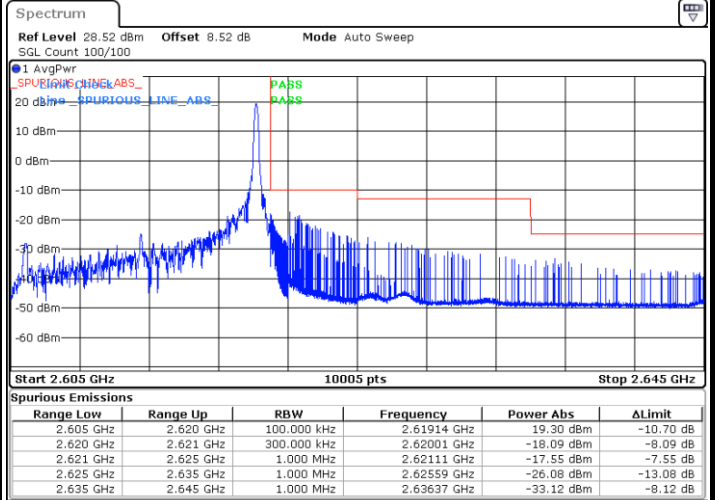
LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / 1 RB



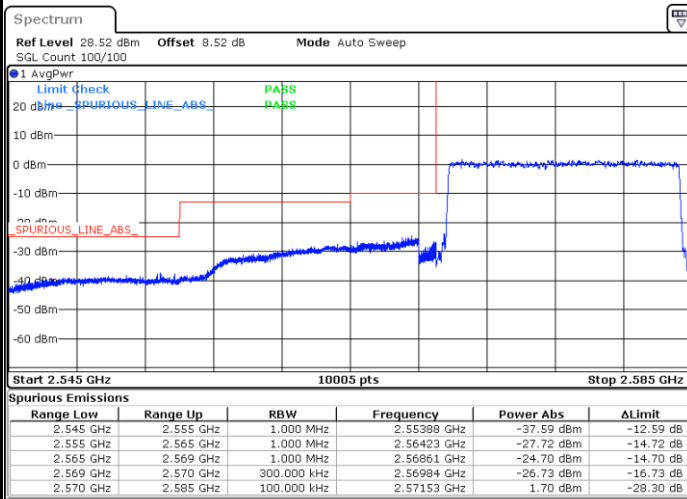
Date: 27\_SEP.2023 14:36:09

Highest Band Edge / 1 RB



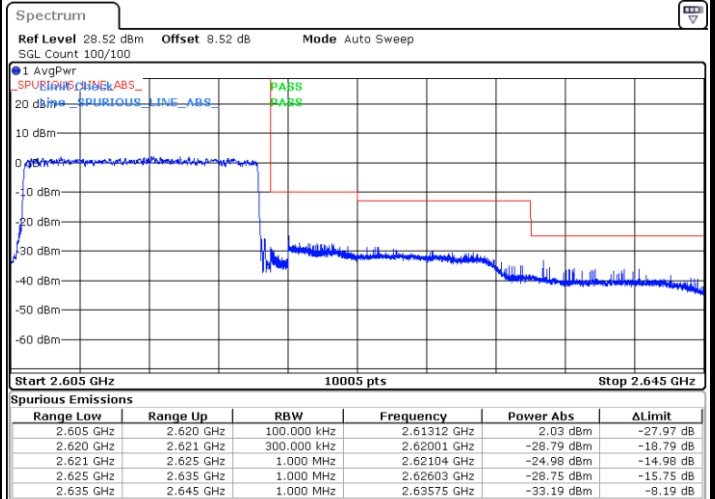
Date: 27\_SEP.2023 14:42:36

Lowest Band Edge / Full RB



Date: 27\_SEP.2023 14:33:46

Highest Band Edge / Full RB

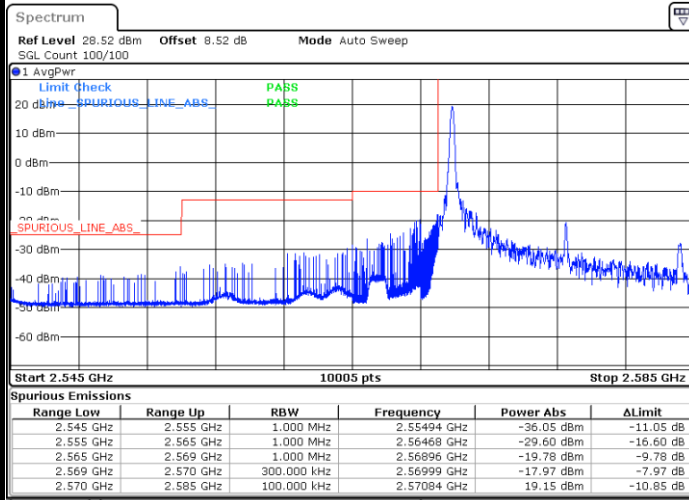


Date: 27\_SEP.2023 14:44:58



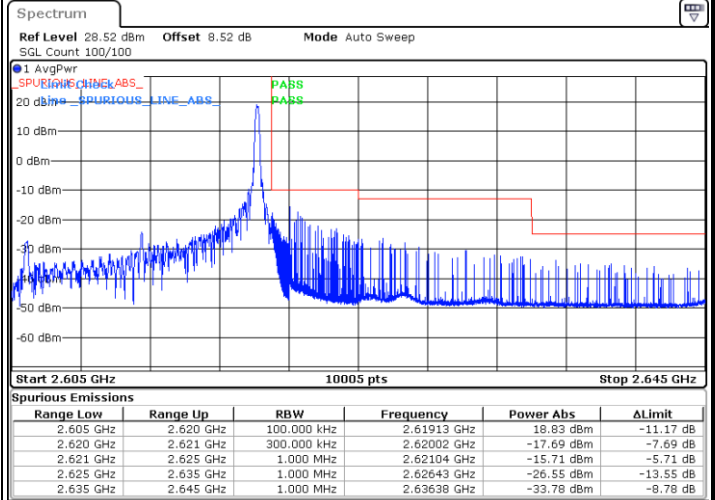
LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



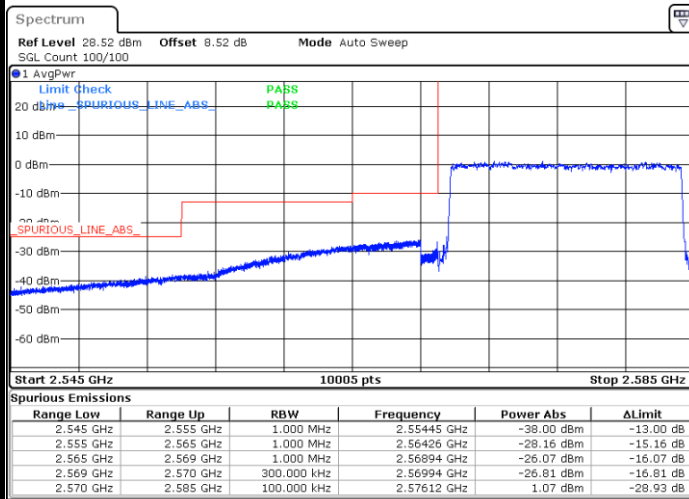
Date: 27\_SEP.2023 14:36:57

Highest Band Edge / 1 RB



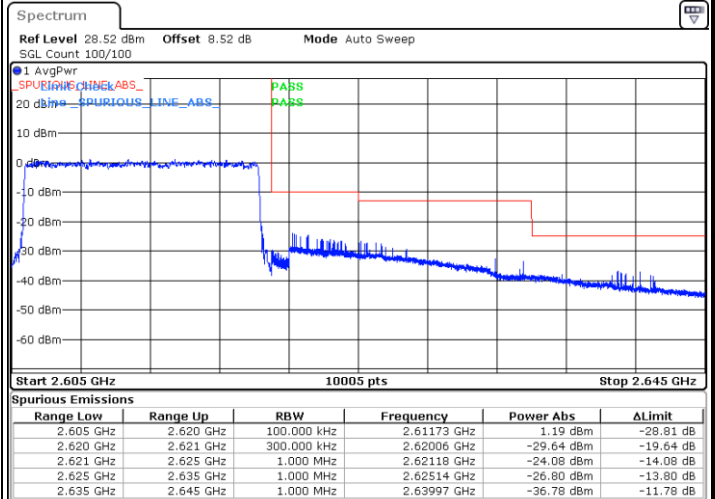
Date: 27\_SEP.2023 14:43:23

Lowest Band Edge / Full RB



Date: 27\_SEP.2023 14:34:32

Highest Band Edge / Full RB

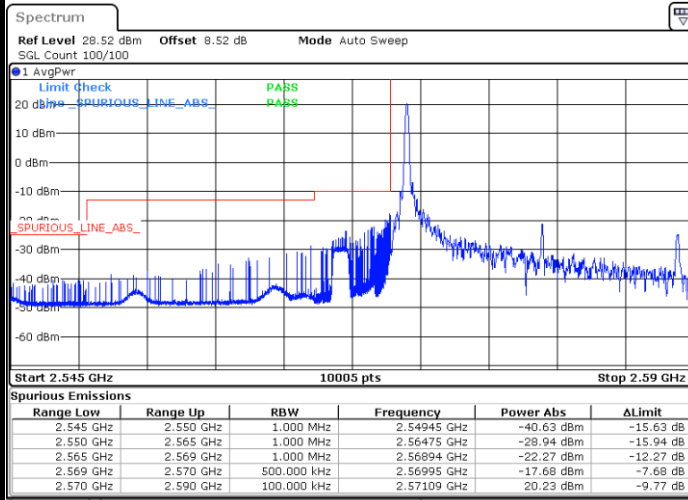


Date: 27\_SEP.2023 14:45:15



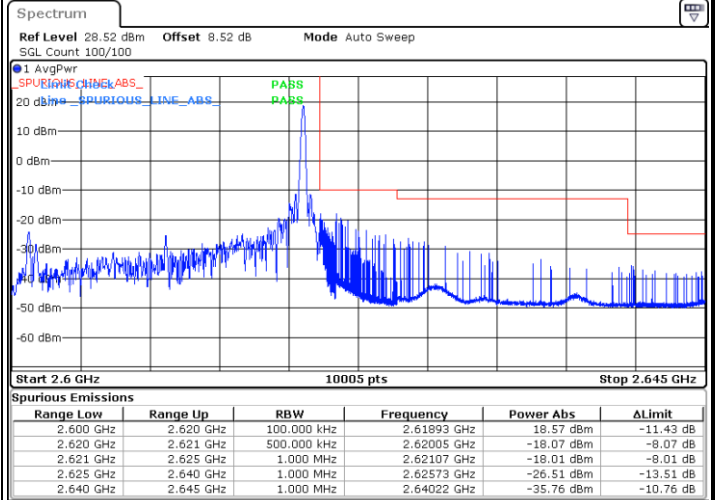
LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / 1 RB



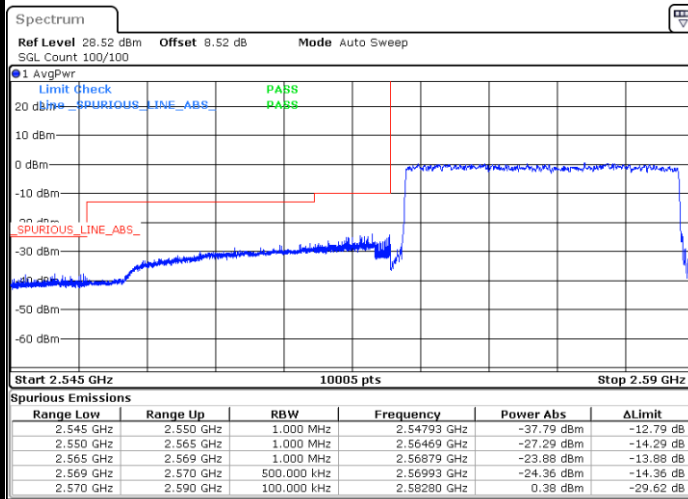
Date: 27\_SEP.2023 14:49:41

Highest Band Edge / 1 RB



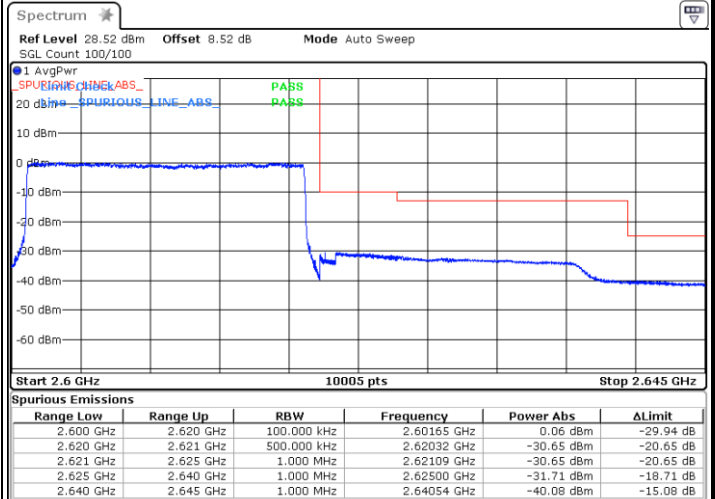
Date: 27\_SEP.2023 14:56:04

Lowest Band Edge / Full RB



Date: 27\_SEP.2023 14:47:18

Highest Band Edge / Full RB

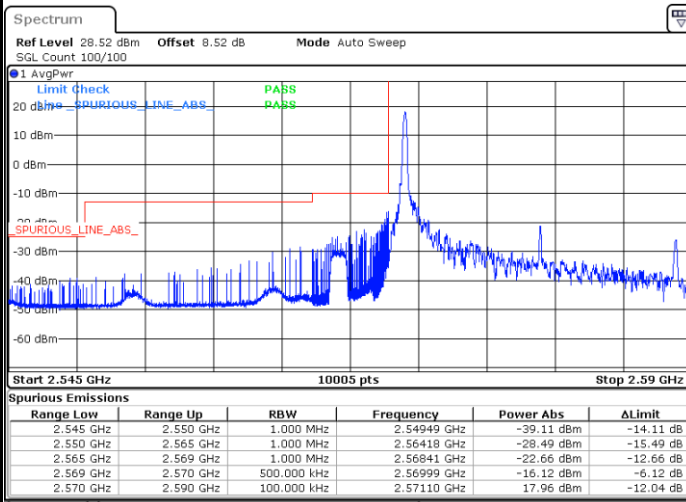


Date: 27\_SEP.2023 15:07:24



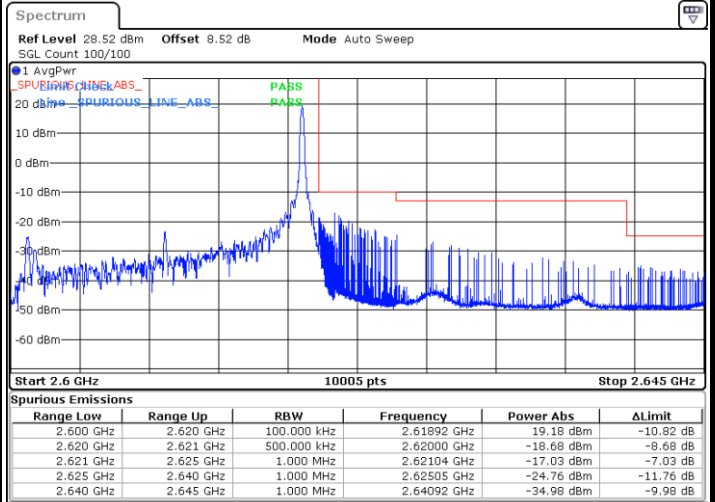
LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



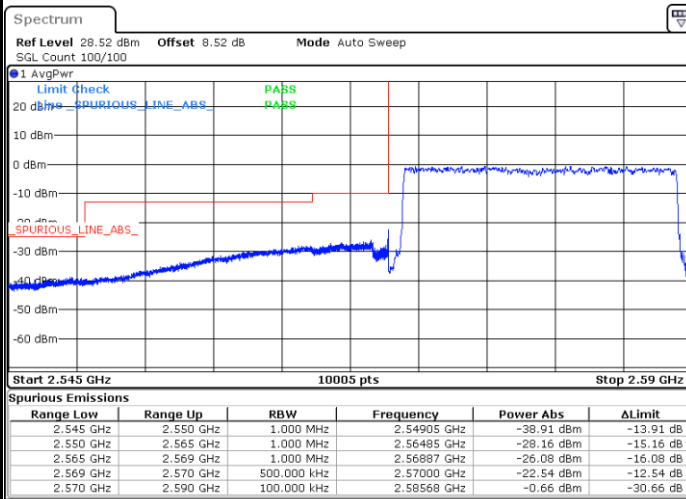
Date: 27\_SEP.2023 14:50:28

Highest Band Edge / 1 RB



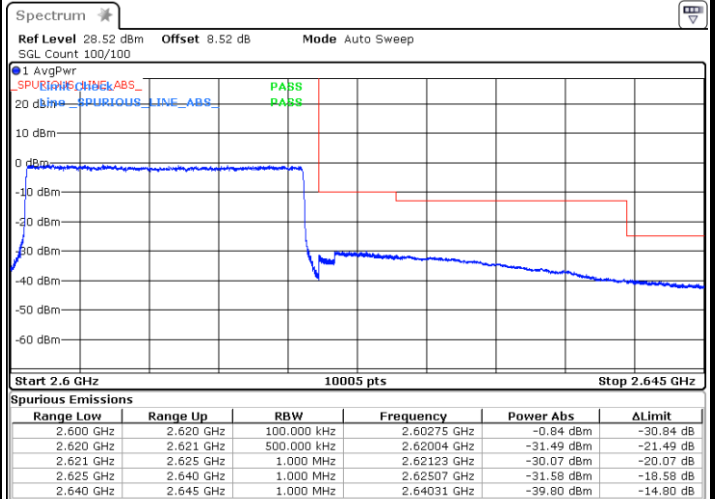
Date: 27\_SEP.2023 14:56:51

Lowest Band Edge / Full RB



Date: 27\_SEP.2023 14:48:06

Highest Band Edge / Full RB



Date: 27\_SEP.2023 15:05:41

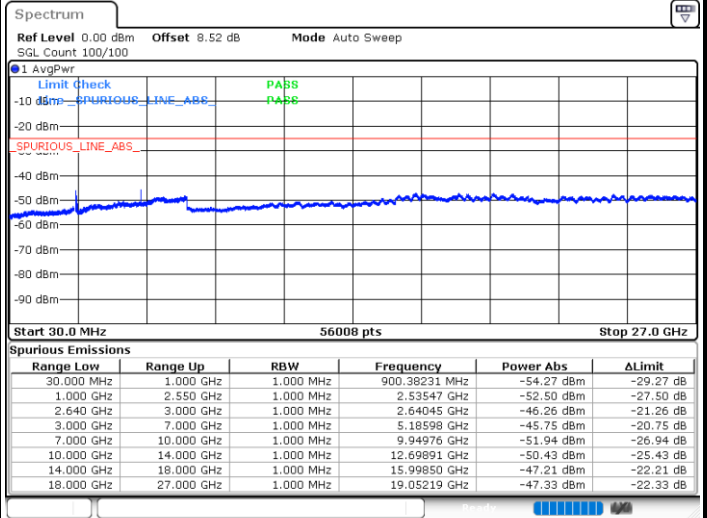
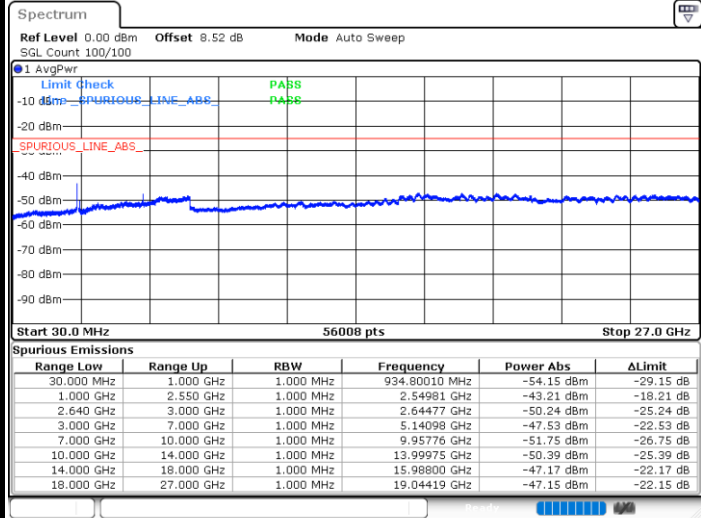


# Conducted Spurious Emission

## LTE Band 38 / 5MHz

### Lowest Channel / QPSK

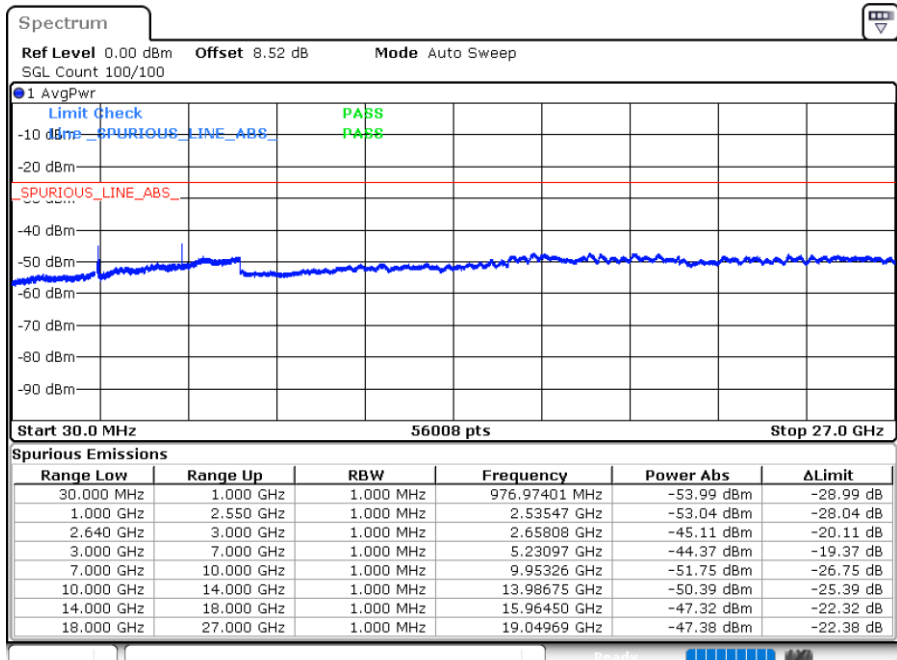
### Middle Channel / QPSK



Date: 27.SEP.2023 14:10:13

Date: 27.SEP.2023 14:11:35

### Highest Channel / QPSK



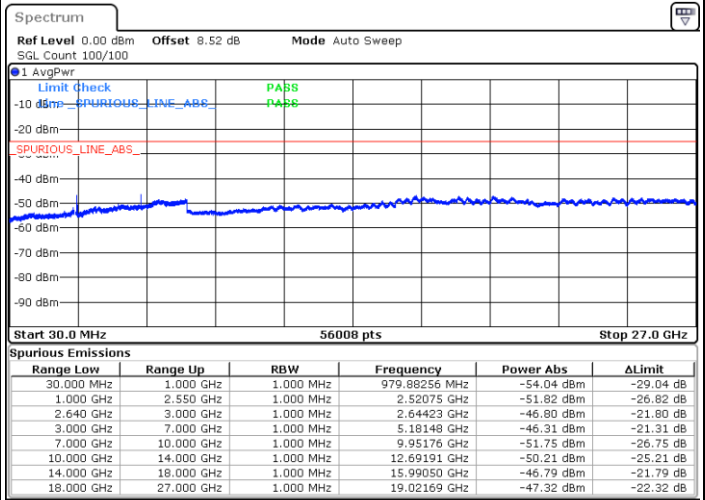
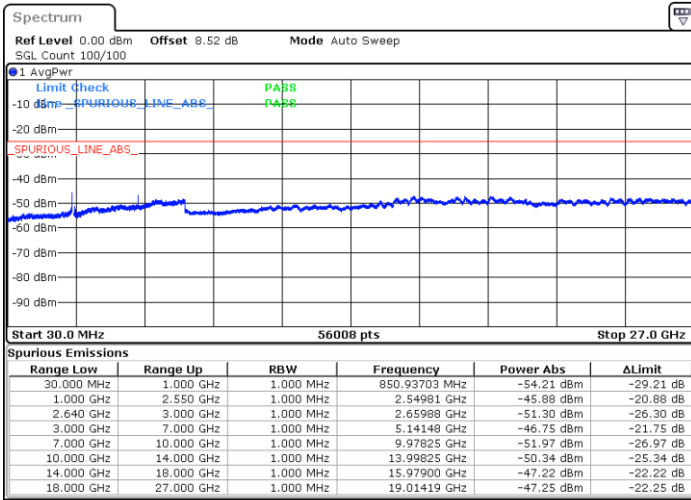
Date: 27.SEP.2023 14:12:57



LTE Band 38 / 10MHz

Lowest Channel / QPSK

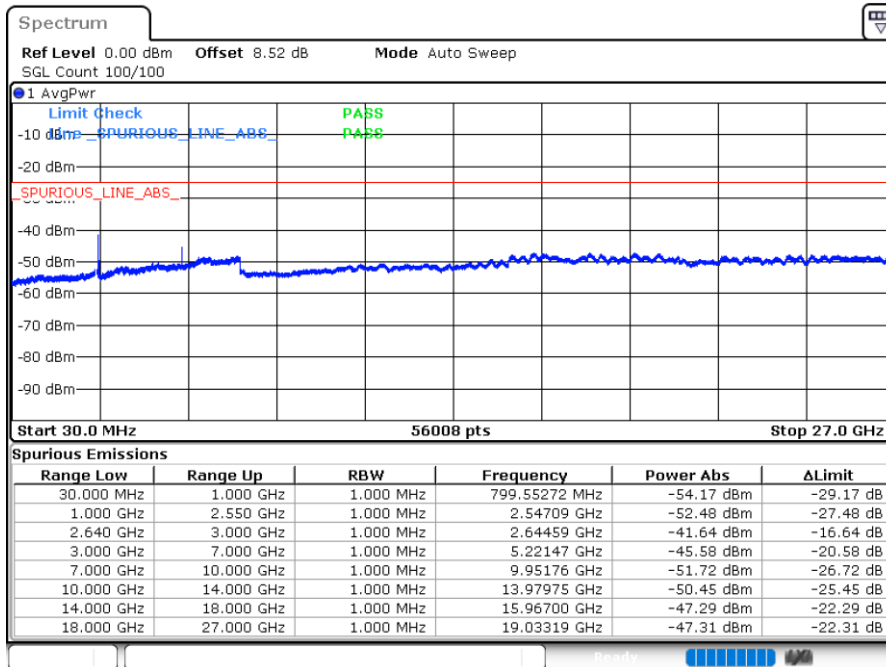
Middle Channel / QPSK



Date: 27.SEP.2023 14:25:32

Date: 27.SEP.2023 14:26:54

Highest Channel / QPSK



Date: 27.SEP.2023 14:28:15

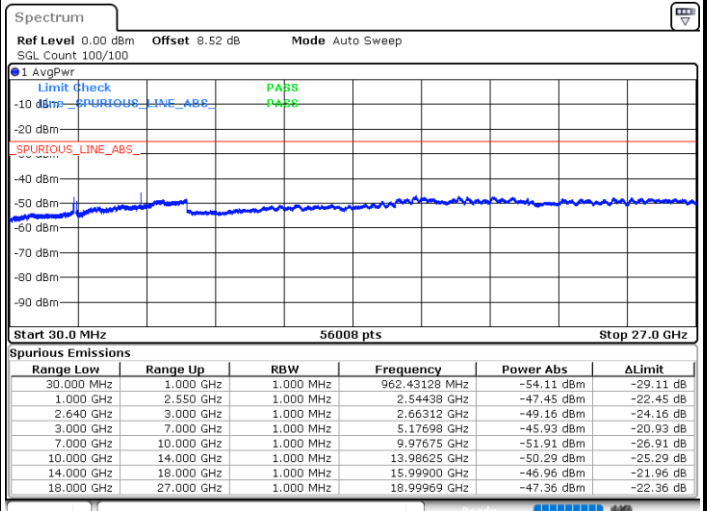
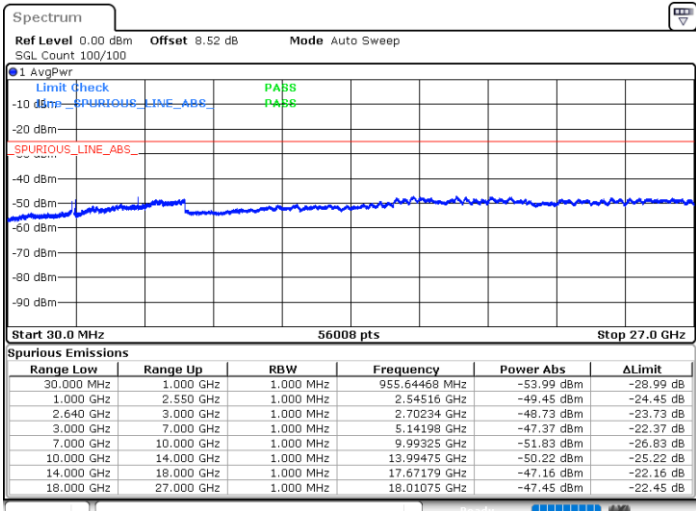




LTE Band 38 / 15MHz

Lowest Channel / QPSK

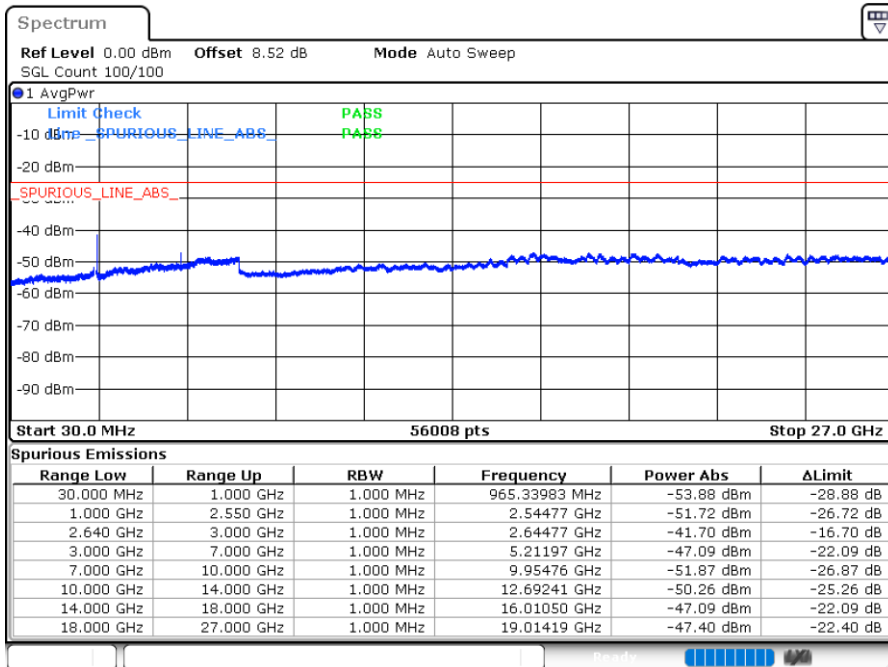
Middle Channel / QPSK



Date: 27.SEP.2023 14:39:05

Date: 27.SEP.2023 14:40:26

Highest Channel / QPSK



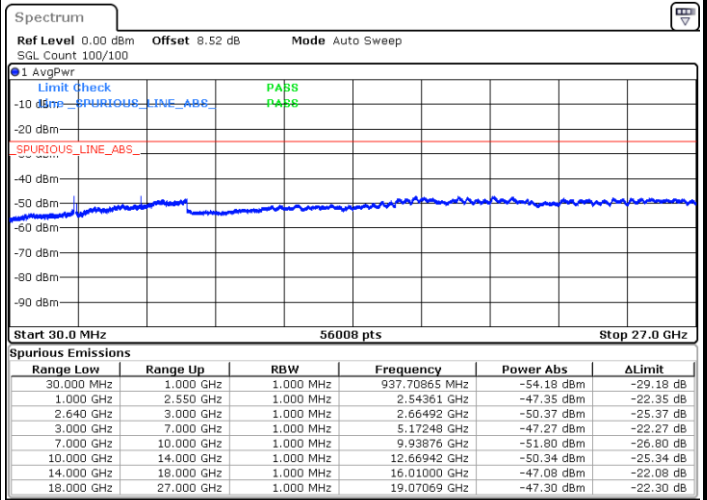
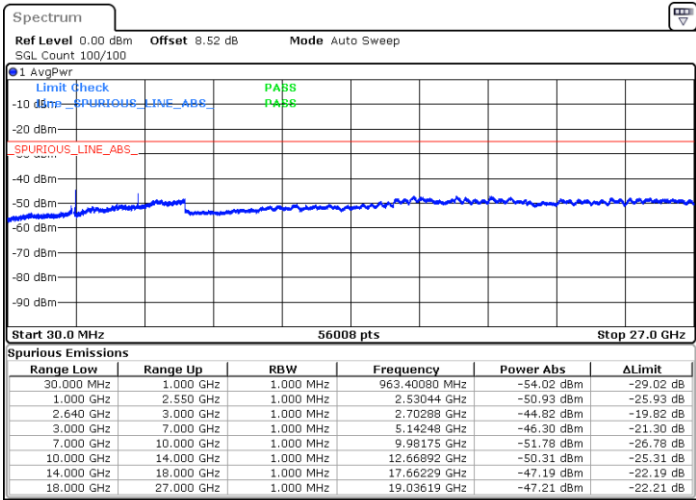
Date: 27.SEP.2023 14:41:49



LTE Band 38 / 20MHz

Lowest Channel / QPSK

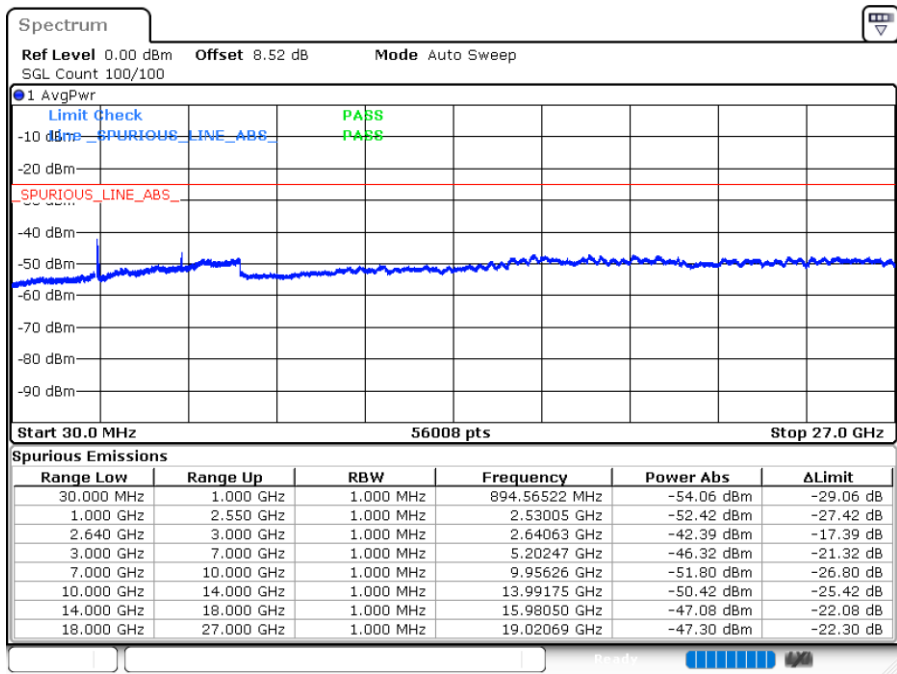
Middle Channel / QPSK



Date: 27.SEP.2023 14:52:36

Date: 27.SEP.2023 14:53:57

Highest Channel / QPSK



Date: 27.SEP.2023 14:55:18



Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0019	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0059	
-30	Normal Voltage	0.0048	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0067	

Note:

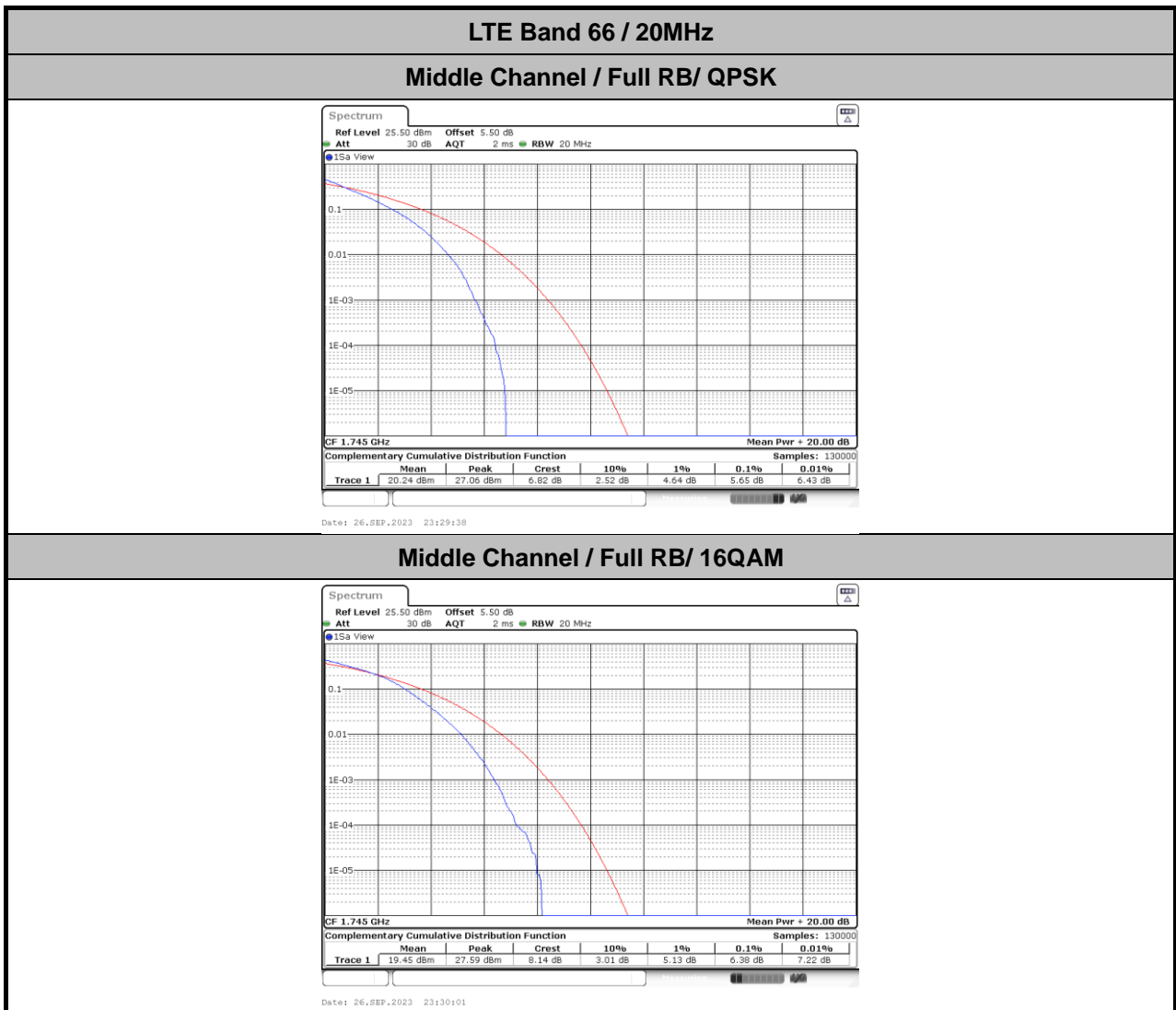
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 66

## Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK	16QAM	-	-	Limit: 13dB
RB Size	Full RB	Full RB	-	-	Result
Middle CH	5.65	6.38	-	-	PASS





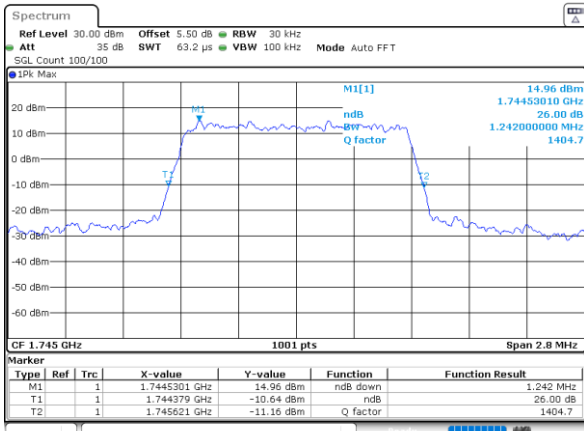
### 26dB Bandwidth

Mode	LTE Band 66 : 26dB BW(MHz)	
<b>BW</b>	<b>1.4MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	1.24	1.22
<b>BW</b>	<b>3MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	3.02	3.07
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.86	4.91
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.69	9.93
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	14.33	14.39
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	19.54	19.14

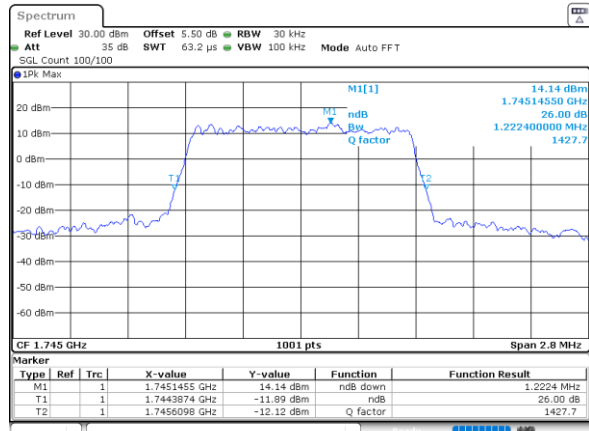


LTE Band 66

Middle Channel / 1.4MHz / QPSK

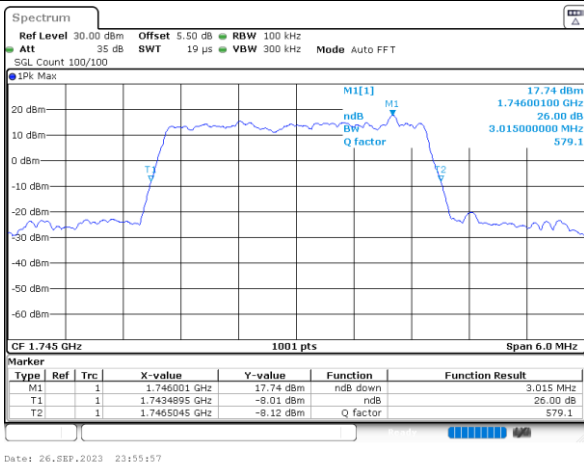


Middle Channel / 1.4MHz / 16QAM

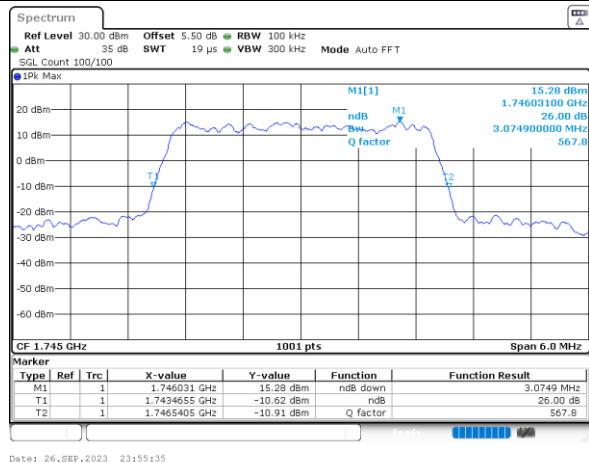


LTE Band 66

Middle Channel / 3MHz / QPSK

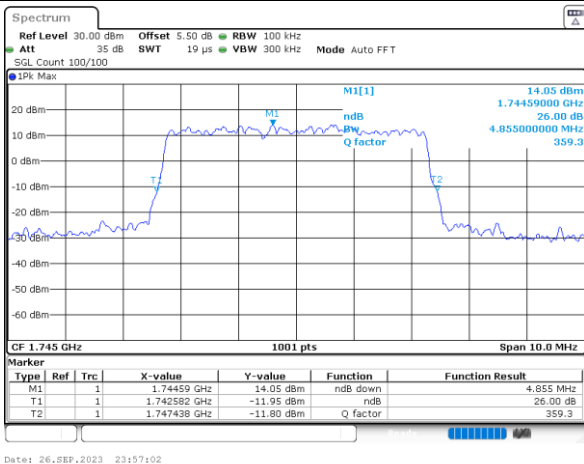


Middle Channel / 3MHz / 16QAM

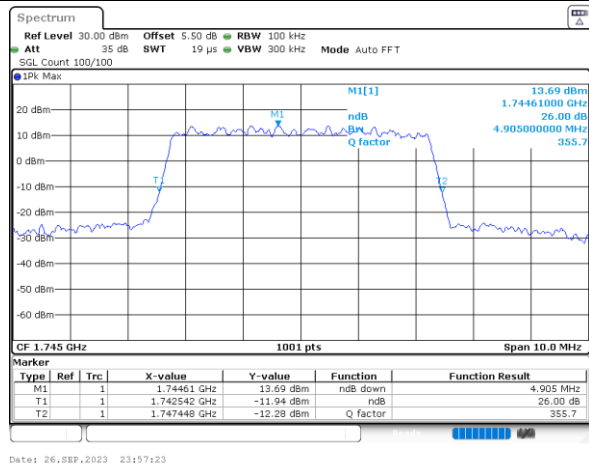


LTE Band 66

Middle Channel / 5MHz / QPSK



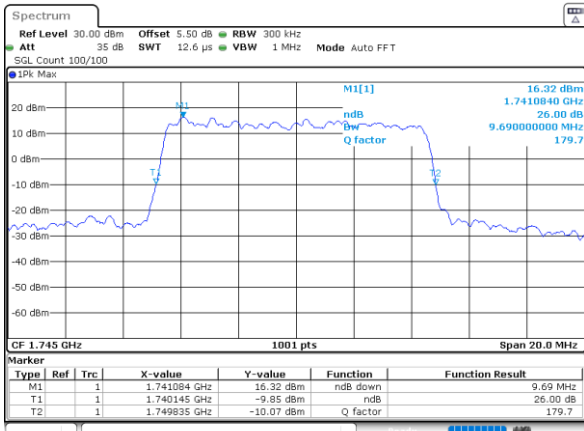
Middle Channel / 5MHz / 16QAM





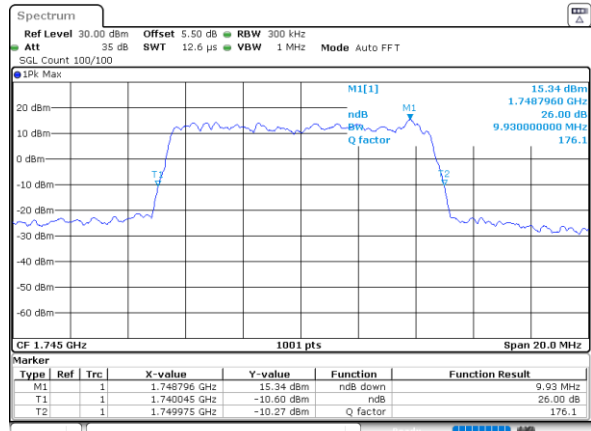
LTE Band 66

Middle Channel / 10MHz / QPSK



Date: 26\_SEP.2023 23:58:29

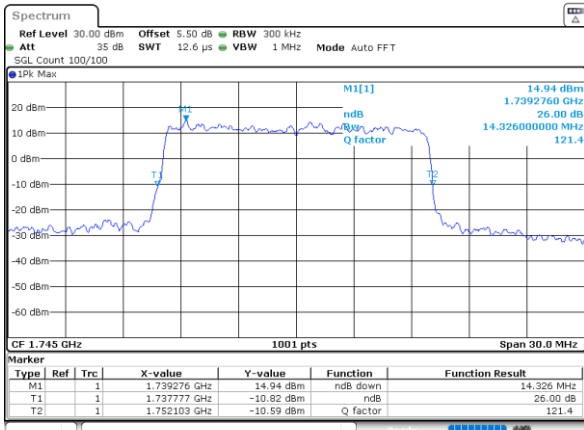
Middle Channel / 10MHz / 16QAM



Date: 26\_SEP.2023 23:58:51

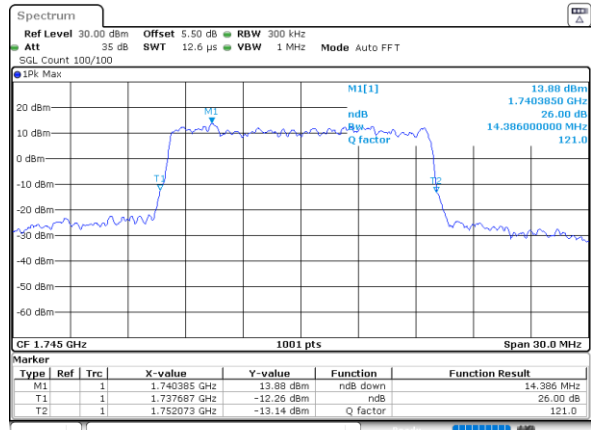
LTE Band 66

Middle Channel / 15MHz / QPSK



Date: 26\_SEP.2023 23:59:58

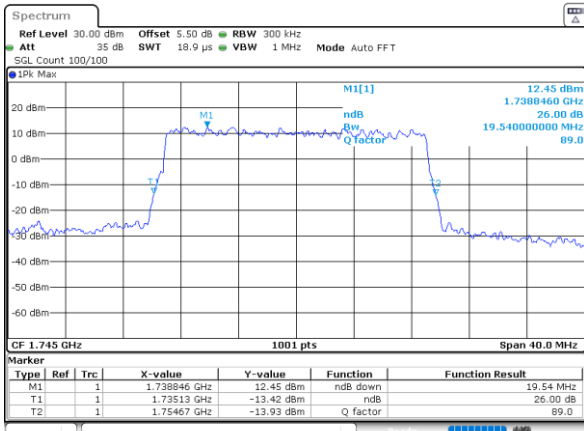
Middle Channel / 15MHz / 16QAM



Date: 27\_SEP.2023 00:00:19

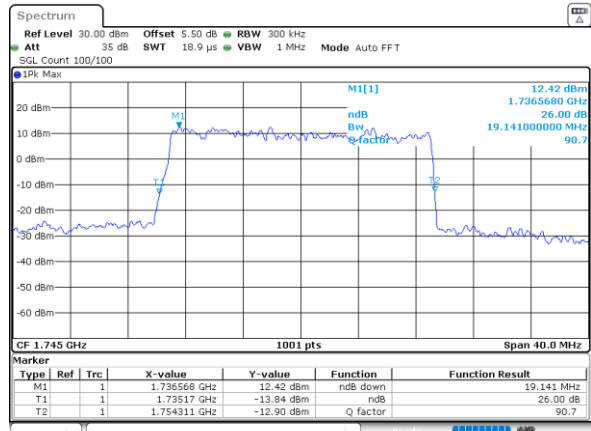
LTE Band 66

Middle Channel / 20MHz / QPSK



Date: 26\_SEP.2023 23:28:53

Middle Channel / 20MHz / 16QAM



Date: 26\_SEP.2023 23:29:15



**Occupied Bandwidth**

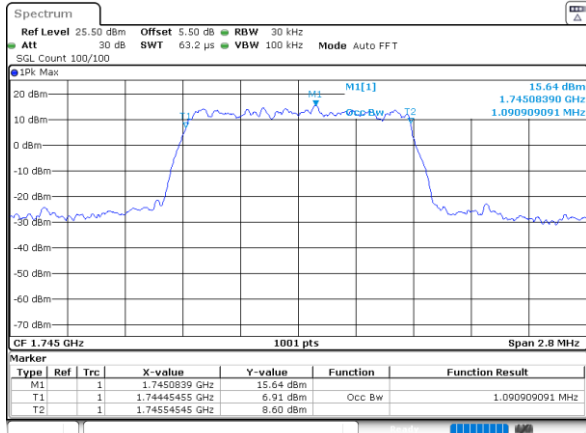
Mode	LTE Band 66 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.10
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.72	2.72
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.49
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.07	9.05
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.49	13.52
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.94





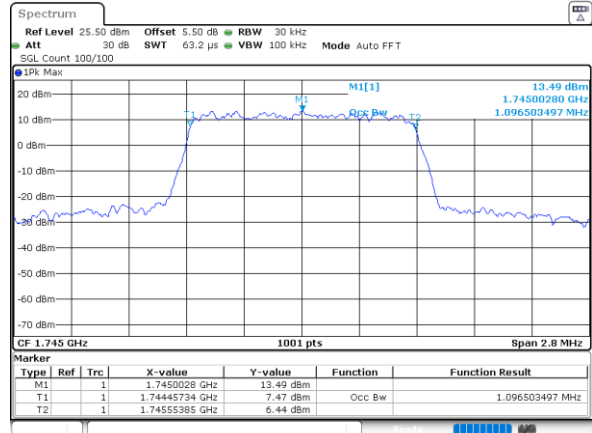
LTE Band 66

Middle Channel / 1.4MHz / QPSK



Date: 26\_SEP.2023 23:53:46

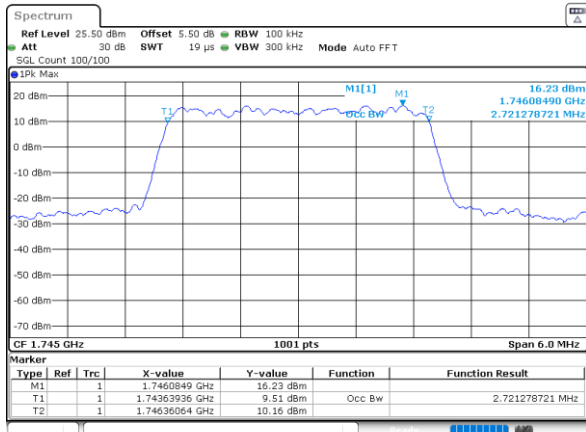
Middle Channel / 1.4MHz / 16QAM



Date: 26\_SEP.2023 23:54:51

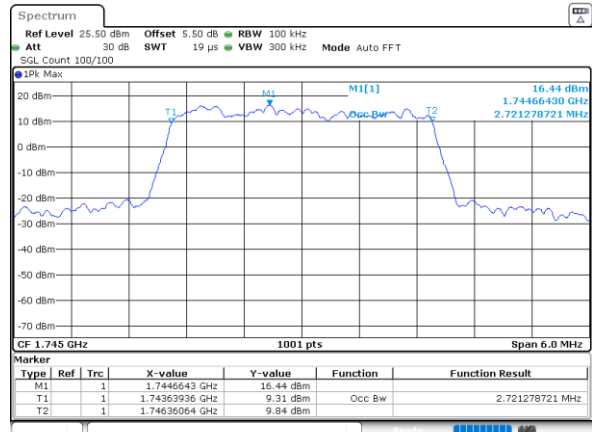
LTE Band 66

Middle Channel / 3MHz / QPSK



Date: 26\_SEP.2023 23:56:18

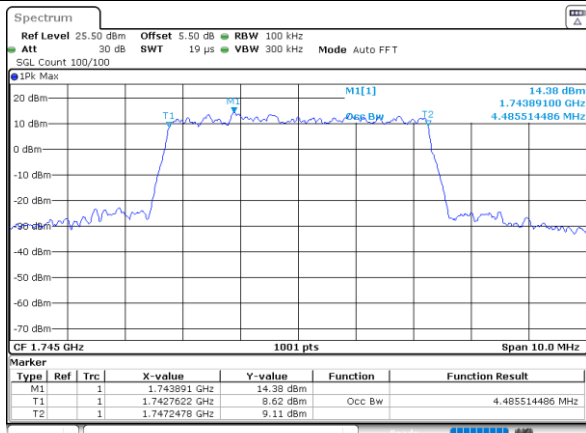
Middle Channel / 3MHz / 16QAM



Date: 26\_SEP.2023 23:55:13

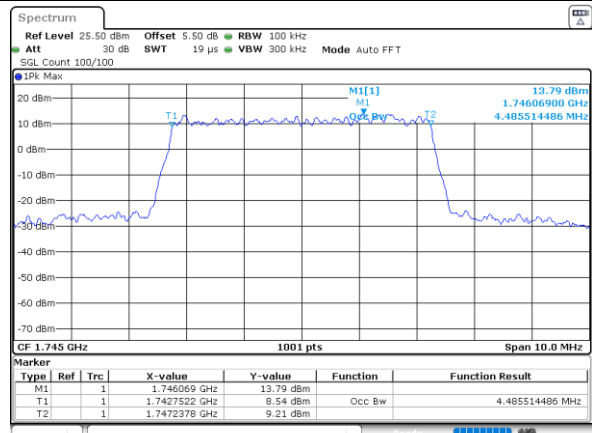
LTE Band 66

Middle Channel / 5MHz / QPSK



Date: 26\_SEP.2023 23:56:40

Middle Channel / 5MHz / 16QAM

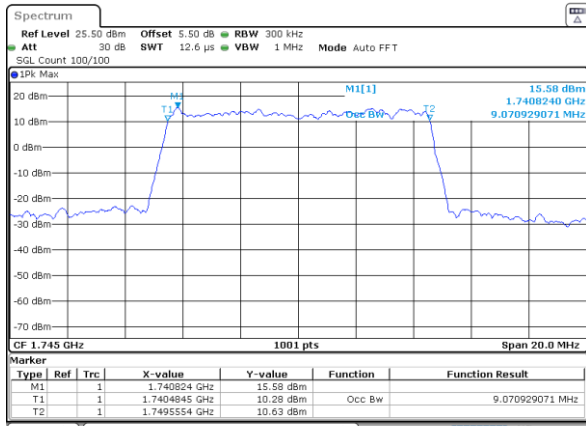


Date: 26\_SEP.2023 23:57:45



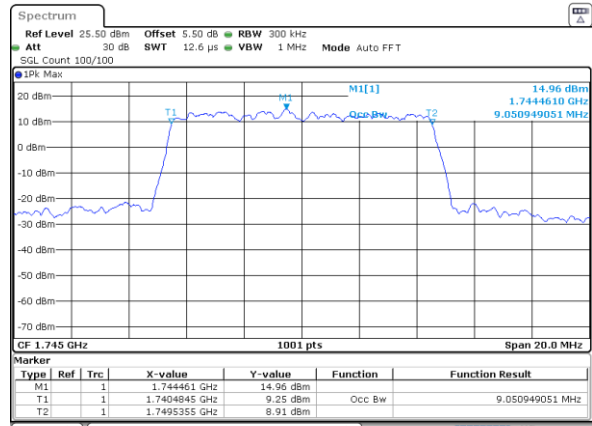
LTE Band 66

Middle Channel / 10MHz / QPSK



Date: 26\_SEP.2023 23:58:07

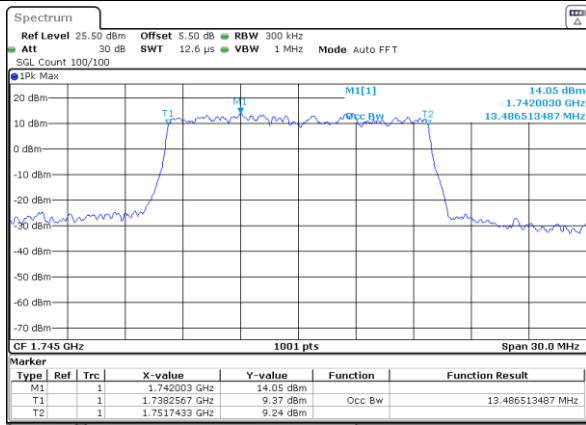
Middle Channel / 10MHz / 16QAM



Date: 26\_SEP.2023 23:59:14

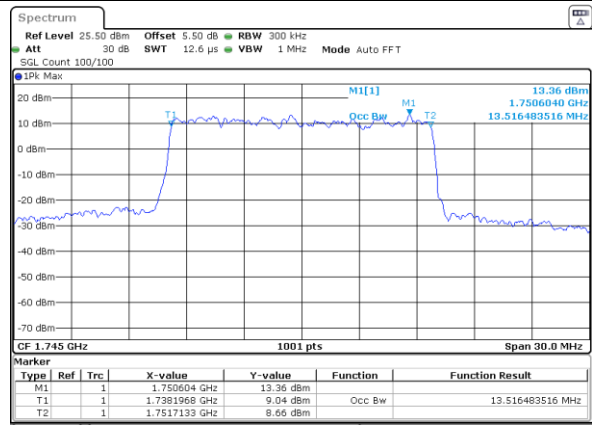
LTE Band 66

Middle Channel / 15MHz / QPSK



Date: 26\_SEP.2023 23:59:36

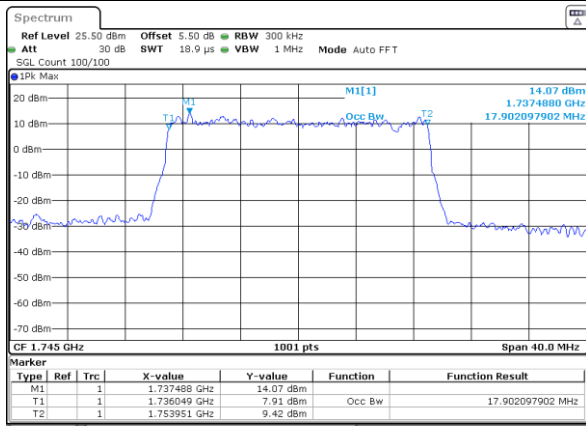
Middle Channel / 15MHz / 16QAM



Date: 27\_SEP.2023 00:00:41

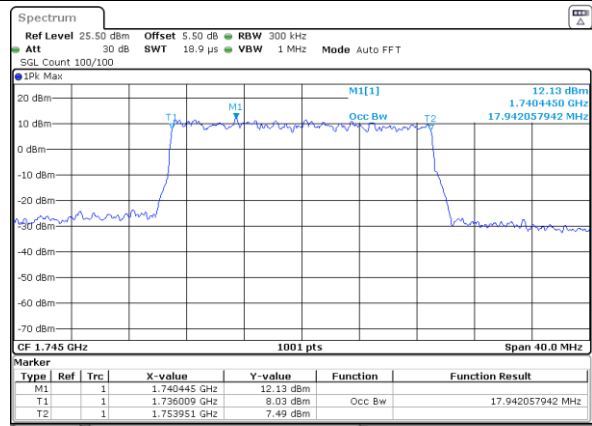
LTE Band 66

Middle Channel / 20MHz / QPSK



Date: 26\_SEP.2023 23:28:09

Middle Channel / 20MHz / 16QAM



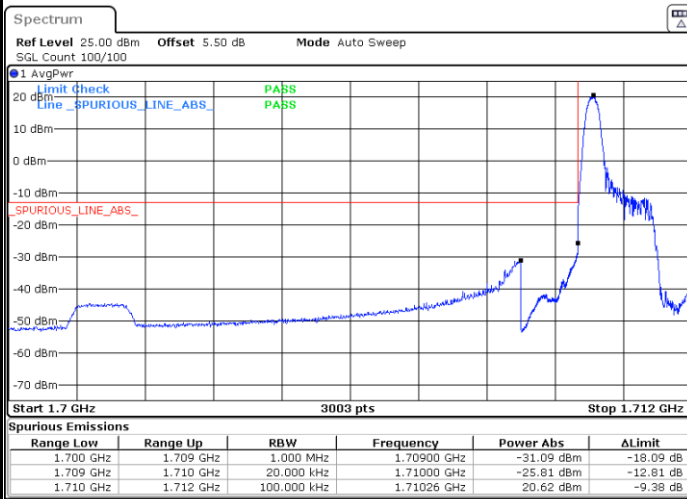
Date: 26\_SEP.2023 23:28:11



# Conducted Band Edge

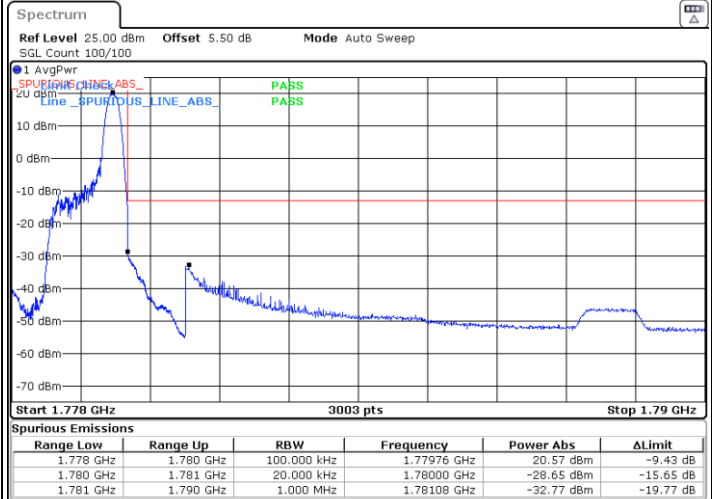
## LTE Band 66 / 1.4MHz / QPSK

### Lowest Band Edge / 1RB



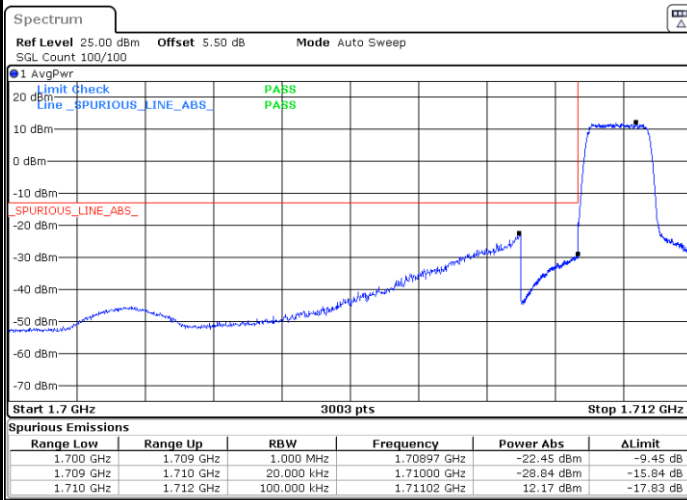
Date: 26.SEP.2023 21:05:40

### Highest Band Edge / 1RB



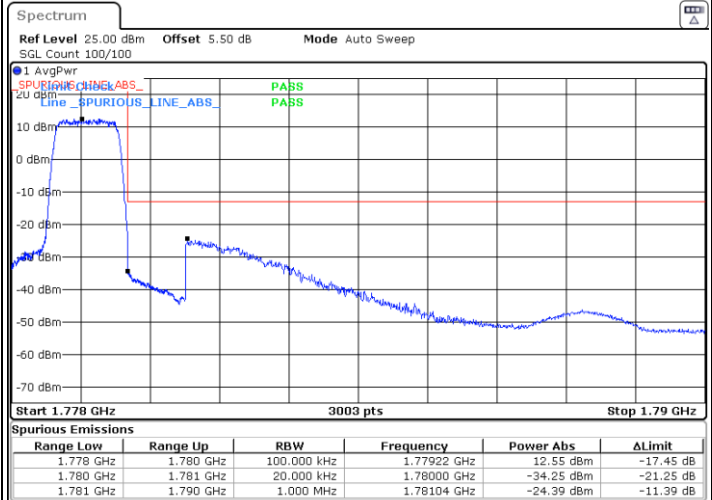
Date: 26.SEP.2023 21:14:10

### Lowest Band Edge / Full RB



Date: 26.SEP.2023 21:12:44

### Highest Band Edge / Full RB

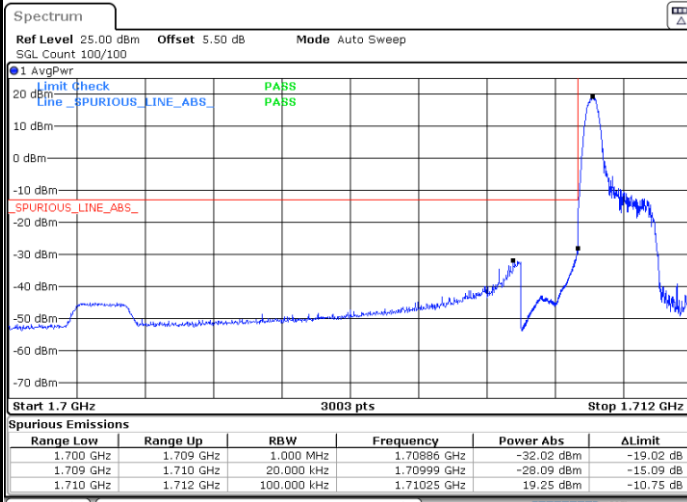


Date: 26.SEP.2023 21:21:13



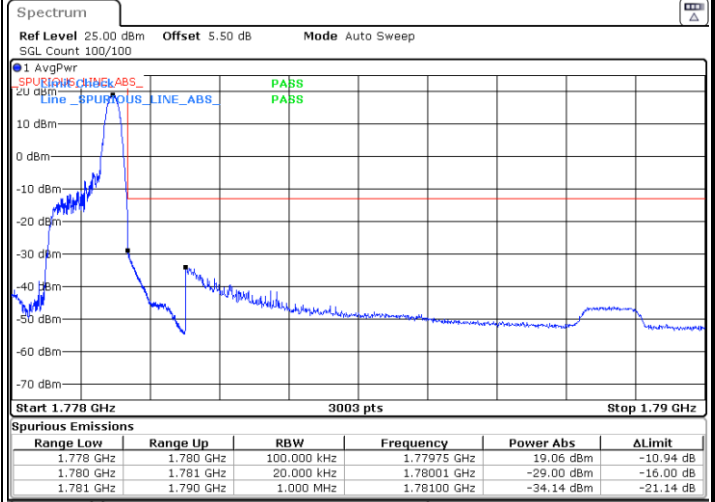
LTE Band 66 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



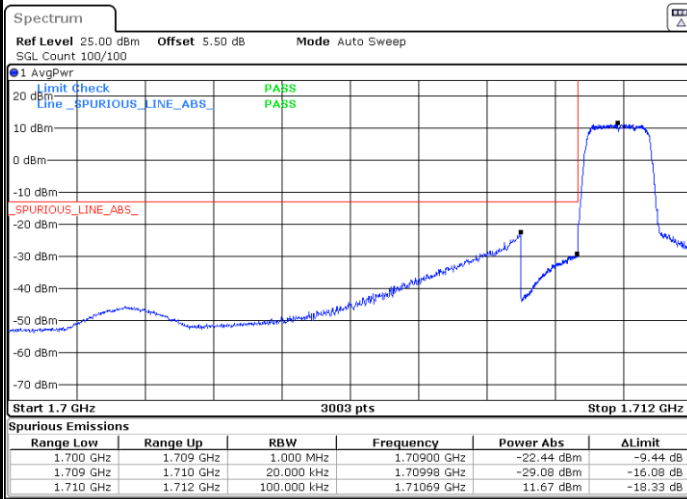
Date: 26.SEP.2023 21:07:05

Highest Band Edge / 1 RB



Date: 26.SEP.2023 21:15:34

Lowest Band Edge / Full RB



Date: 26.SEP.2023 21:11:20

Highest Band Edge / Full RB

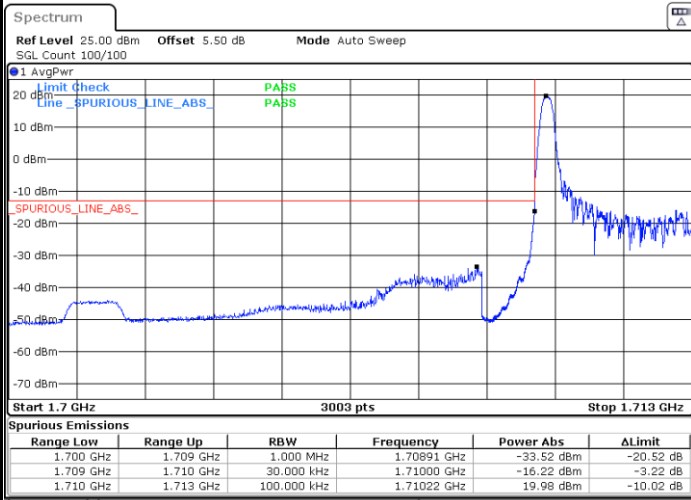


Date: 26.SEP.2023 21:19:49



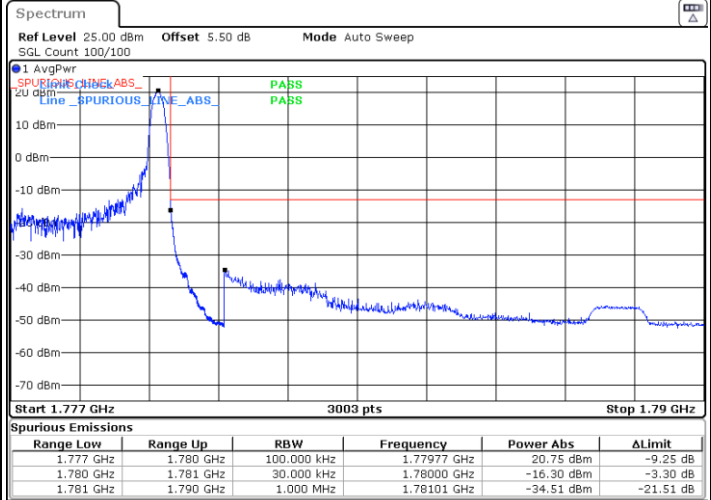
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB



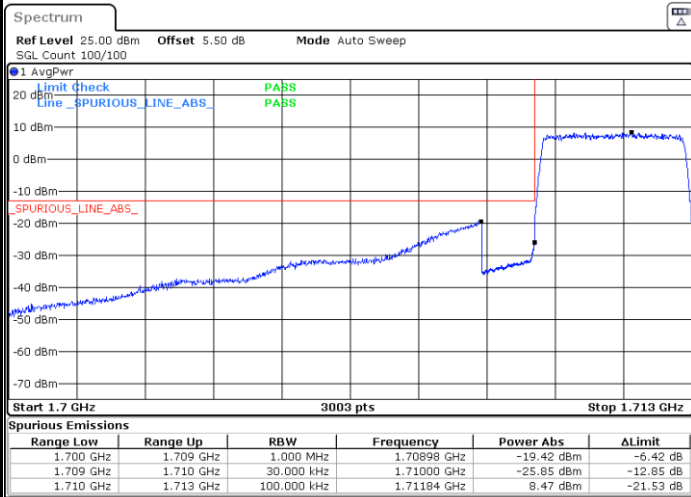
Date: 26.SEP.2023 21:22:39

Highest Band Edge / 1 RB



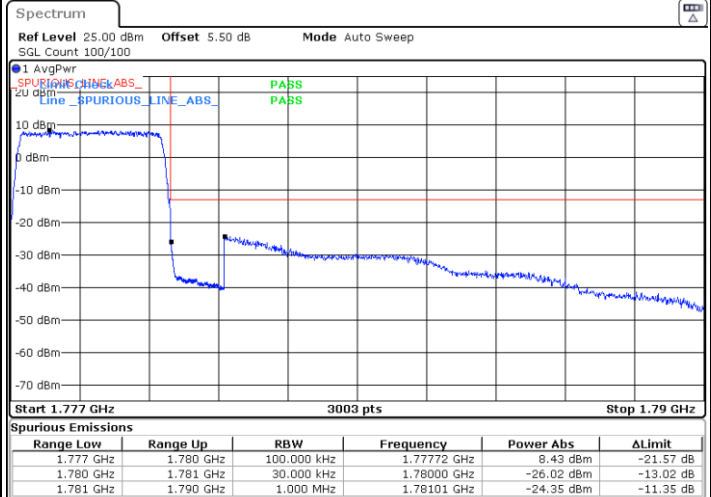
Date: 26.SEP.2023 21:31:08

Lowest Band Edge / Full RB



Date: 26.SEP.2023 21:29:43

Highest Band Edge / Full RB

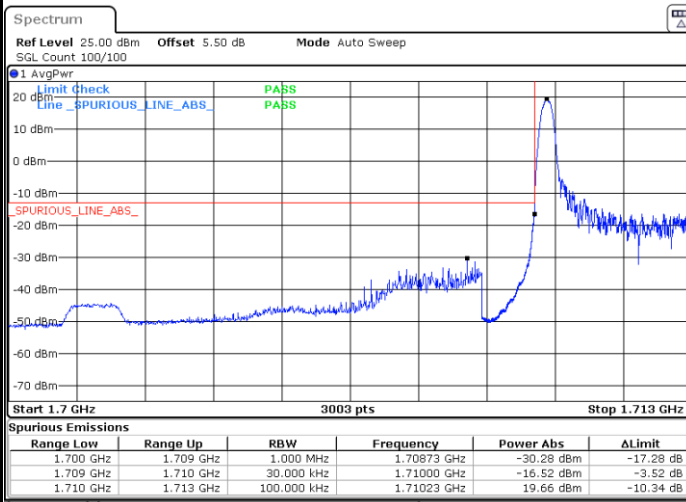


Date: 26.SEP.2023 21:38:12



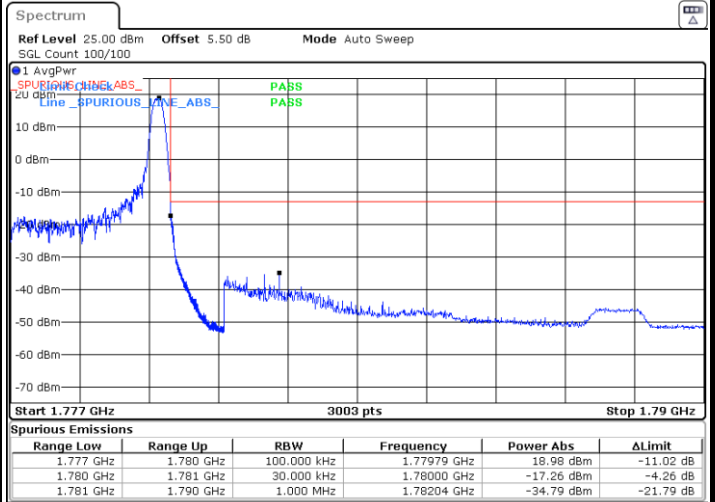
LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



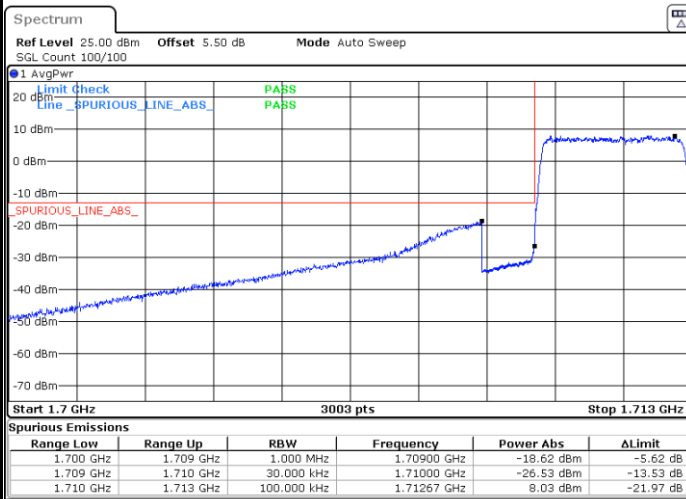
Date: 26.SEP.2023 21:24:04

Highest Band Edge / 1 RB



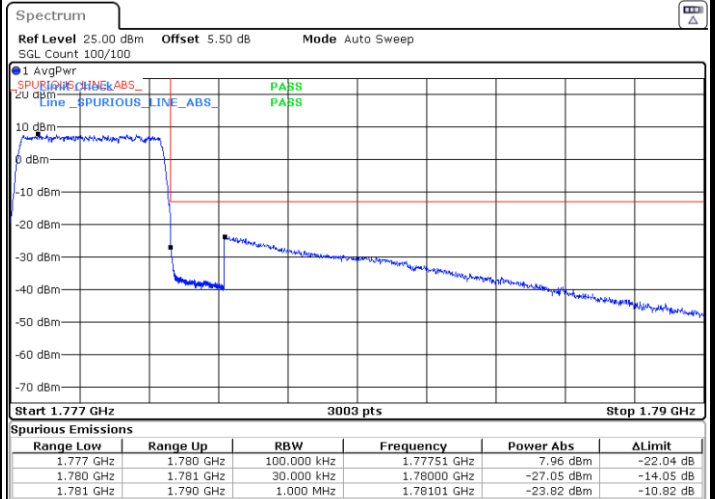
Date: 26.SEP.2023 21:32:33

Lowest Band Edge / Full RB



Date: 26.SEP.2023 21:28:18

Highest Band Edge / Full RB

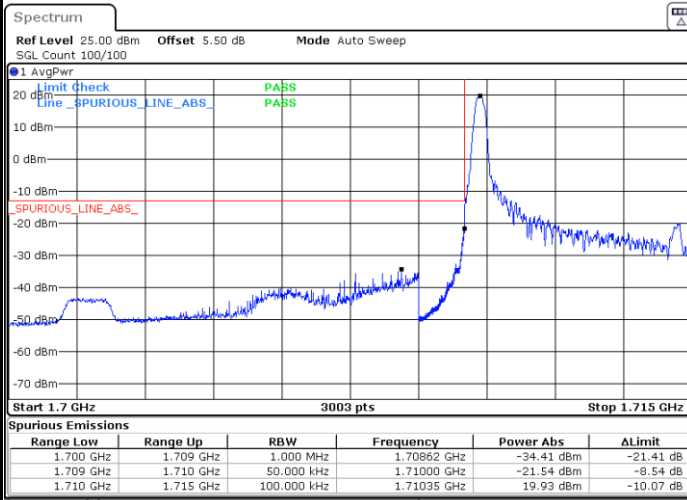


Date: 26.SEP.2023 21:36:47



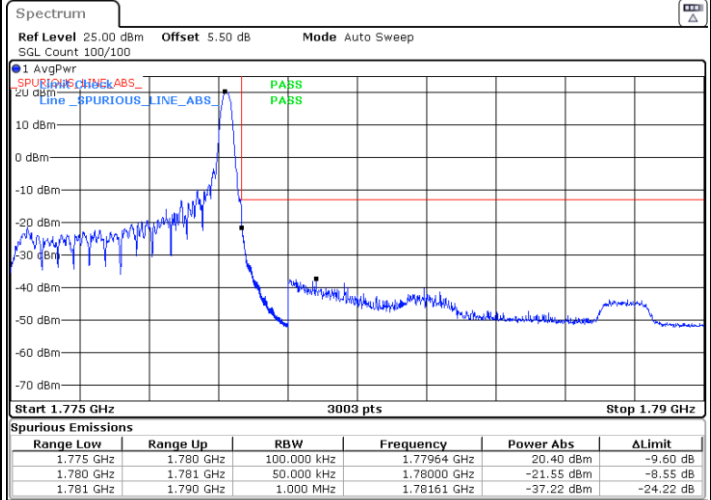
LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / 1 RB



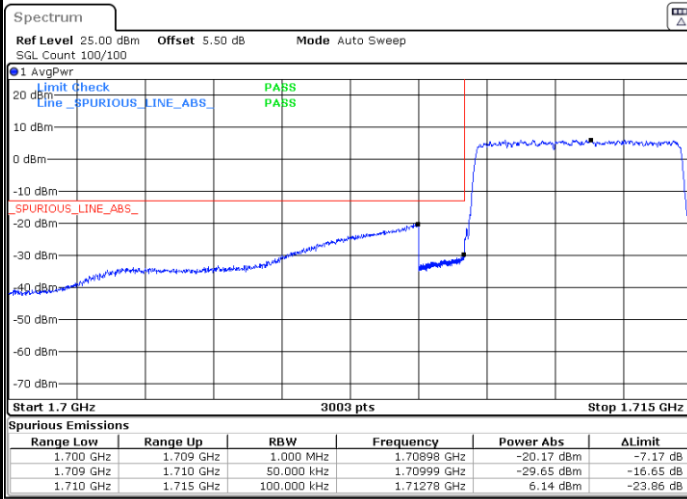
Date: 26.SEP.2023 21:39:38

Highest Band Edge / 1 RB



Date: 26.SEP.2023 21:48:06

Lowest Band Edge / Full RB



Date: 26.SEP.2023 21:46:42

Highest Band Edge / Full RB

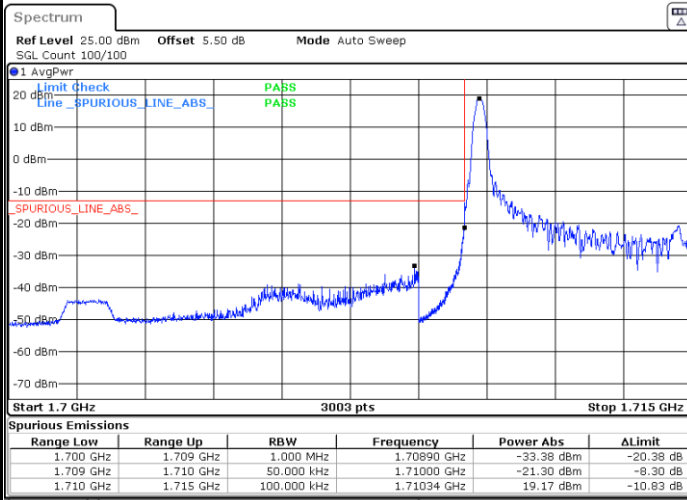


Date: 26.SEP.2023 21:55:10



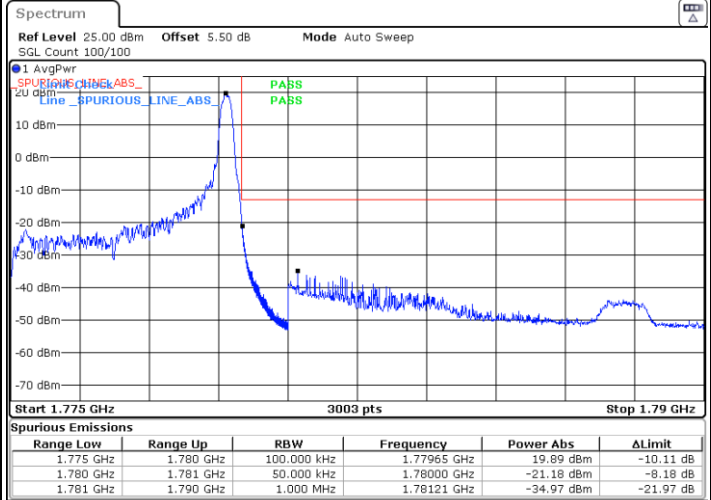
LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / 1RB



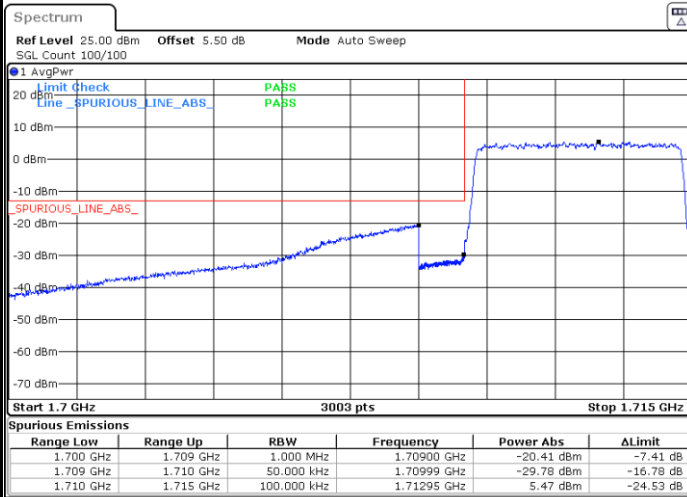
Date: 26.SEP.2023 21:41:02

Highest Band Edge / 1 RB



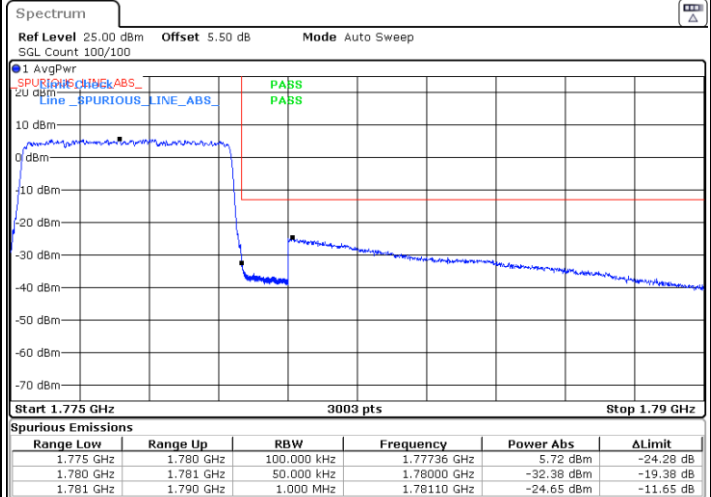
Date: 26.SEP.2023 21:49:31

Lowest Band Edge / Full RB



Date: 26.SEP.2023 21:45:17

Highest Band Edge / Full RB



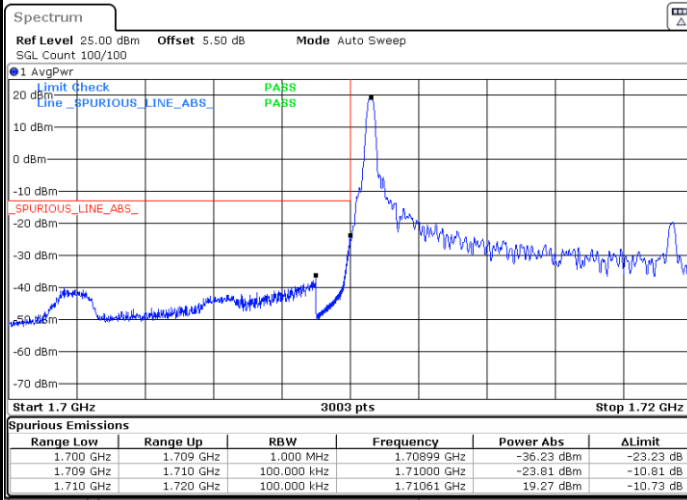
Date: 26.SEP.2023 21:53:46





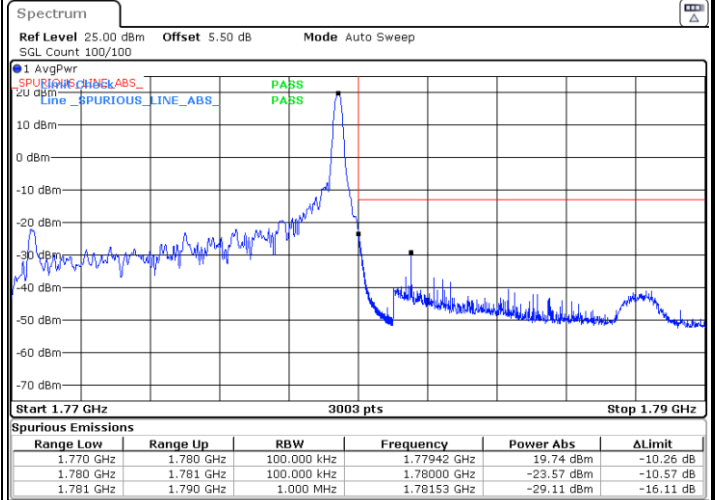
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1 RB



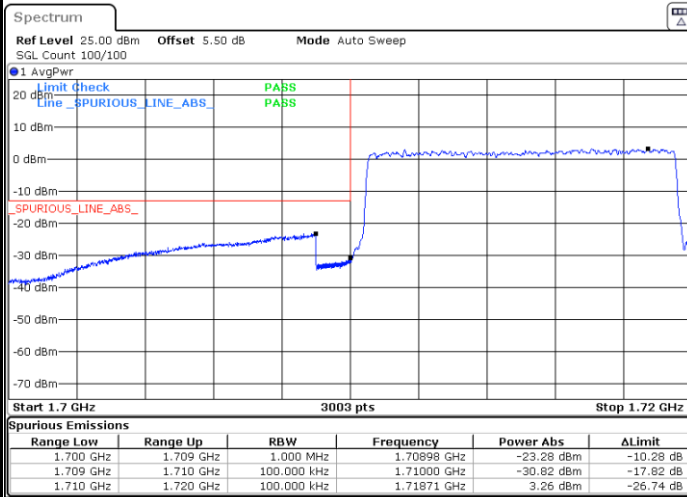
Date: 26.SEP.2023 21:56:36

Highest Band Edge / 1 RB



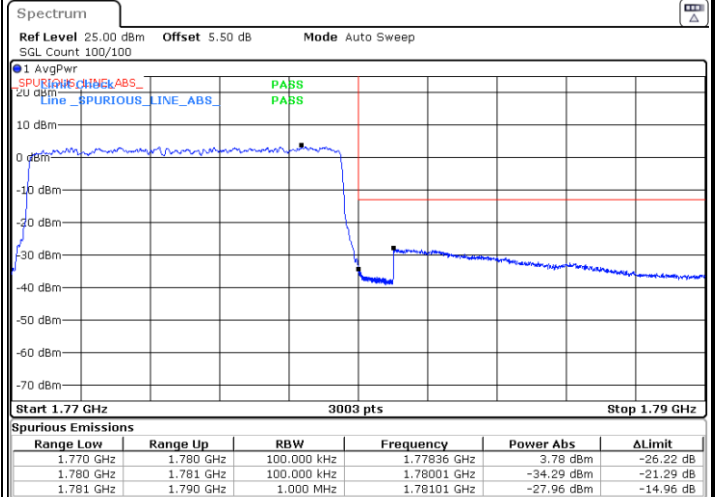
Date: 26.SEP.2023 22:05:04

Lowest Band Edge / Full RB



Date: 26.SEP.2023 22:03:40

Highest Band Edge / Full RB

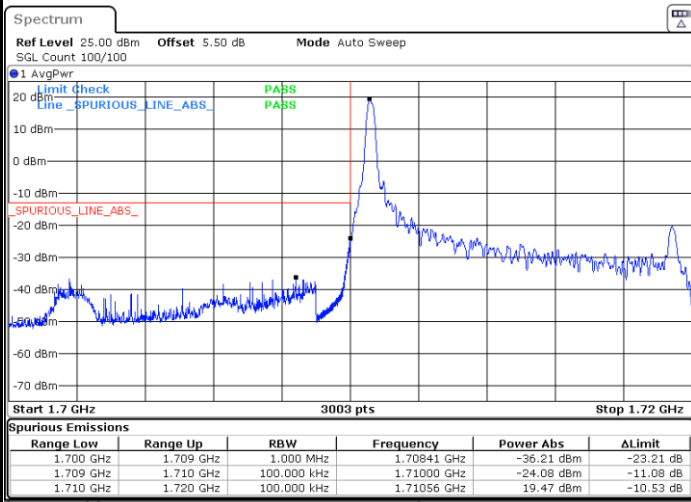


Date: 26.SEP.2023 22:12:09

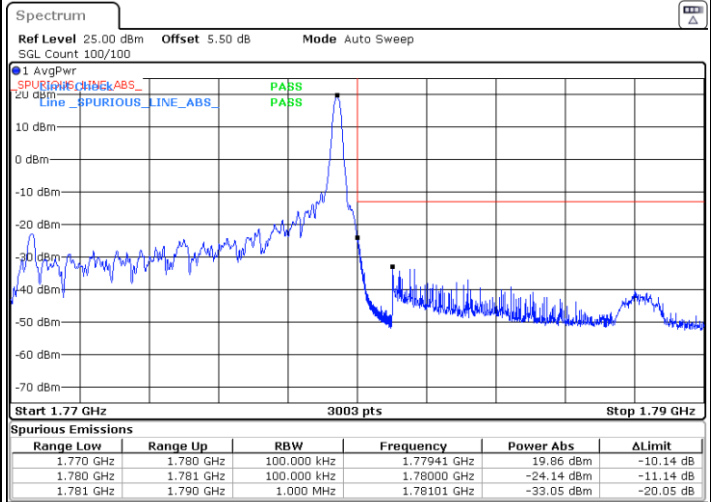


LTE Band 66 / 10MHz / 16QAM

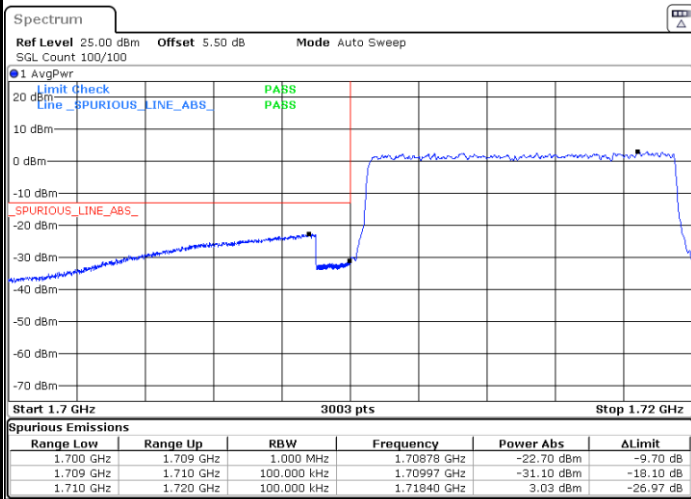
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

